Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/18/2019 12:42 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122352	-3	2.59	122383	2.59
Blue	F	SSC	125000	122407	-3	4.40	123163	4.43
Blue	E	FITC	16694	16381	-2	4.24	379	22.32
Blue	D	PE	32792	32203	-2	3.55	708	16.54
Blue	B	PerCP-Cy5-5	44451	43768	-2	4.94	1198	23.20
Blue	A	PE-Cy7	33645	33538	-1	7.39	609	48.11
Red	C	APC	47008	46482	-2	3.15	1799	13.50
Red	A	APC-Cy7	32298	31738	-2	3.10	793	14.17
Violet	B	V450	8961	8548	-5	4.75	489	15.70
Violet	A	V500	32726	31195	-5	4.44	757	11.72

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20478	3.94	608	-5	N/A	N/A	Pass
Blue	F	SSC	55434	3.99	580	12	N/A	N/A	Pass
Blue	E	FITC	62	75.85	566	3	0.0156	192	Pass
Blue	D	PE	142	58.08	570	4	0.1333	309	Pass
Blue	B	PerCP-Cy5-5	221	56.95	674	3	0.0073	67	Pass
Blue	A	PE-Cy7	120	122.95	729	3	0.0091	36	Pass
Red	C	APC	412	28.61	611	-2	0.0188	113	Pass
Red	A	APC-Cy7	196	30.93	582	-3	0.0044	647	Pass
Violet	B	V450	81	68.91	476	-10	0.0371	2625	Pass
Violet	A	V500	110	44.79	485	-11	0.0205	2108	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.33	-32.50	1.15
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.46
Red	17.88	13.60 - 20.40	N/A	N/A	29.33	30.03	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9665

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments